

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A method for supervisory control and coordination of independent tasks to be performed by a plurality of independent entities comprising the steps of:

a) generating a plurality of schedules for performance of said independent tasks;

b) submitting said plurality of schedules to a master coordinator for one of approval and disapproval of said schedules, ~~resulting in generation of;~~

c) coordinating said plurality of schedules using Benders decomposition;

d) generating a plurality of at least one of an approval decision and a disapproval decision by said master coordinator;

[[c))] e) returning said plurality of said at least one of an approval decision and a disapproval decision to said independent entities;

[[d))] f) adjusting said schedule for which a disapproval decision is returned, resulting in at least one adjusted schedule; and

[[e))] g) returning said at least one adjusted schedule to said master coordinator for reconsideration.

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2. (Currently Amended) A method in accordance with Claim 1, wherein steps b) through ~~[[e)]]~~ g) are repeated until all said schedules have been approved.

3. (Original) A method in accordance with Claim 2, wherein said schedules are implemented after all said schedules have been approved.

4. (Original) A method in accordance with Claim 1, wherein said master coordinator is a power coordinator in a power grid.

5. (Original) A method in accordance with Claim 4, wherein said independent entities are individual power companies.

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6. (New) A method for supervisory control and coordination of independent tasks to be performed by a plurality of individual power companies comprising the steps of:

- a) generating a plurality of schedules for performance of the independent tasks;
- b) submitting the plurality of schedules to a master coordinator for one of approval and disapproval of the schedules;
- c) the master coordinator generating as a function of at least one of power generation and power transmission constraints a plurality of at least one of an approval decision and a disapproval decision for the schedules;
- d) returning the plurality of the at least one of an approval decision and a disapproval decision to the individual power companies;
- e) adjusting the schedule for which a disapproval decision is returned, resulting in at least one adjusted schedule; and
- f) returning the at least one adjusted schedule to the master coordinator for reconsideration.

7. (New) A method in accordance with Claim 6, wherein steps b) through f) are repeated until all the schedules have been approved.

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8. (New) A method in accordance with Claim 6, wherein the schedules are implemented after all the schedules have been approved.

9. (New) A method in accordance with Claim 6, wherein the master coordinator is a power coordinator in a power grid.

10. (New) A method in accordance with Claim 6, wherein generating the plurality of at least one of an approval decision and a disapproval decision comprises Benders decomposition.